

Stelios Daveas

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EDUCATION

UNIVERSITY OF ATHENS

M.S IN COMPUTER SCIENCE
2017-present | Athens, GR

UNIVERSITY OF ATHENS

B.S IN COMPUTER SCIENCE
2010-2016 | Athens, GR

SKILLS

PROGRAMMING

Expert

C/C++ • Python • Solidity

Advanced

Java • LUA • Bash • \LaTeX

Intermediate

Rust • Matlab

CONCEPTS

OOP • Data-Oriented Programming
Parallel Programming • Network
Programming • Protobufs • Smart
Contracts

DATABASES

PostgreSQL • MySQL • MariaDB
MongoDB

ENVIRONMENTS

Linux • Git • Vim • Tmux • Docker

LANGUAGES

English (B2) • German (B1)

Greek (native)

EXPERIENCE

NCSR DEMOKRITOS | SOFTWARE ENGINEERING

2016 – present | Athens, GR

- **Head engineer** at **in-house simulation engine**, used in **5+ H2020 European projects**.
- Advanced status from TRL 5 to **TRL 7**, contributed **48K LOC** of high-performance code at a 300K LOC codebase, performed maintenance, migrated from C++03 to **C++17** standards.
- **Code review** on GitLab.
- Incorporated open source projects **ImGui** and **Recast**.
- **LUA** scripting and implementation of bindings for C++.
- Design of system architecture.
- Cooperation with a **10-member team** in daily basis.
- Communication with **end users** to define requirements.
- Conducted **10+ interviews**.
- Build **containerized** services.
- Administration of Linux servers.

UNIVERSITY OF ATHENS | SOFTWARE ENGINEERING

2019 – 2020 | Athens, GR

- Implementation of gas-efficient smart contracts in **Solidity**, profiling and auditing.
- Implementation of development and testing environment for smart contracts in **Python** using **Web3** interface.
- **Test driven** development.
- Daily stand-ups using **Slack**.

RESEARCH

UNIVERSITY OF ATHENS | POSTGRADUATE STUDENT

2020 | Athens, GR

Worked with **Kostis Karantias**, **Prof. Aggelos Kiayias** and **Dr. Dionysis Zindros** to create the first gas-efficient superlight client smart contract based on the NIPoPoW protocol.

NCSR DEMOKRITOS | RESEARCHER

2019 | Athens, GR

Worked with **Giorgos Bouritsas**, **Dr. Antonios Danelakis** and **Dr. Stelios Thomopoulos** to create and architecture that leverages the detection of anomalous human trajectories using a Sequence-to-Sequence architecture.

PUBLICATIONS

Daveas S., Karantias K., Kiayias A. & Zindros D.: A Gas-Efficient Superlight Bitcoin Client in Solidity, ACM AFT 2020

Bouritsas G., Daveas S., Danelakis A. and Thomopoulos S.: Automated Real-time Anomaly Detection in Human Trajectories using Sequence to Sequence Networks, IEEE AVSS 2019